



# National Weather Service

## Storm Data and Unusual Weather Phenomena



September 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<b><u>WISCONSIN, Southeast</u></b>							
Lafayette County Shullsburg	16	1806CST			0 0	13K	Thunderstorm Wind
Lafayette County South Wayne	16	1820CST			0 0	1K	Thunderstorm Wind
Iowa County 1 W Rewey to 5 E Rewey	16	1830CST 1840CST			0 0	2K	Thunderstorm Wind
Green County 4 S Monticello	16	1840CST 1900CST			0 0	2K	Thunderstorm Wind
Sauk County Reedsburg	16	1840CST			0 0	0.20K	Thunderstorm Wind
Dane County Brooklyn	16	1845CST			0 0	0.50K	Thunderstorm Wind
Iowa County Ridgeway	16	1850CST			0 0	0.50K	Thunderstorm Wind
Fond Du Lac County Fond Du Lac	16	1852CST			0 0	3K	Lightning
Green County Browntown	16	1900CST			0 0	0.20K	Thunderstorm Wind
Marquette County 3 NW Westfield to 3 SW Neshkoro	16	1905CST 1920CST			0 0	2K	Thunderstorm Wind
Rock County Janesville	16	1920CST			0 0	1K	Thunderstorm Wind
Green Lake County Princeton	16	1930CST			0 0	1K	Thunderstorm Wind
Fond Du Lac County Fond Du Lac	16	1944CST			0 0	3K	Lightning
Waukesha County Muskego	16	2025CST			0 0	5K	Lightning
Waukesha County Muskego	16	2035CST			0 0	1K	Lightning
Waukesha County Muskego	16	2038CST			0 0	1K	Lightning
Racine County 2 E Burlington	16	2040CST			0 0	30K	Lightning
Waukesha County Muskego	16	2040CST			0 0	1K	Lightning
Racine County 3.7 S Burlington	16	2045CST			0 0	1K	Lightning

Several fast moving,, short lines of thunderstorms packing severe winds pushed east through many south-central Wisconsin counties and blew over large trees or broke large tree limbs out of trees. Some power lines were also pulled down by the broken limbs. In Shullsburg, (Lafayette Co) a 20 by 40 foot building caved in and a small shed was destroyed. A chicken house was blown down near Monticello in Green county. About 11000 customers lost power due to the downed power lines or other lightning strikes. Four different homes were struck by lightning in Muskego (Waukesha Co). One home had fire damage to its roof and gable, while the other three experienced minor fires and smoke damage. Elsewhere, lightning struck a lakeshore guest home on Browns Lake (Racine Co) east of Burlington, resulting in severe fire damage. Lightning also struck a home on the shore of Bohner's Lake south of Burlington, resulting in a minor roof fire. Lightning was also busy in the city of Fond du Lac (Fond du Lac Co) where it struck two different transformers within an hour, leaving 3722 customers without electricity.



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### WISCONSIN, Southeast

Fond Du Lac County							
2 SE Oakfield	18	1830CST			0 0	0.50K	Thunderstorm Wind
Fond Du Lac County							
Fond Du Lac	18	1840CST			0 0	4K	Lightning
Fond Du Lac County							
Taycheedah	18	1905CST			0 0	0.50K	Thunderstorm Wind
Fond Du Lac County							
Fond Du Lac	18	1915CST			0 0	2K	Lightning
Sheboygan County							
Plymouth	18	1935CST			0 0	2K	Lightning
Fond Du Lac County							
Fond Du Lac	18	2000CST			0 0	1K	Lightning

Scattered thunderstorms with severe winds toppled large trees southeast of Oakfield and in Taycheedah, both in Fond du Lac county. In addition, associated lightning knocked out a power transformer in the city of Fond du Lac (Fond du Lac Co), leaving 2200 customers without electricity. Elsewhere in the city of Fond du Lac, lightning was responsible for starting a garage fire at one residence (\$4,000) and damaging appliances in another home. The thunderstorms pushed east into Sheboygan county where lightning hit and splintered a tree next to a home in Plymouth. The lightning then jumped to the home's wires and blew out a TV and a personal computer.

Walworth County							
Elkhorn	19	1046CST			0 0	50K	Lightning
Walworth County							
Elkhorn	19	1050CST			0 1		Lightning
Green County							
Monroe	19	1100CST 1300CST			0 0		Urban/Sml Stream Fld
Walworth County							
2 NE Sharon	19	1100CST			0 0	10K	Lightning
Green County							
Monroe	19	1116CST			0 0	1K	Thunderstorm Wind
Walworth County							
Walworth	19	1140CST			0 0	40K	Lightning
Kenosha County							
Twin Lakes	19	1200CST 1500CST			0 0	0.50K	Urban/Sml Stream Fld
Rock County							
Beloit	19	1205CST			0 0	1K	Thunderstorm Wind
Rock County							
4 SE Clinton	19	1220CST			0 0	0.30K	Thunderstorm Wind
Walworth County							
1.5 N Sharon	19	1230CST			0 0	250K	Thunderstorm Wind
Kenosha County							
Kenosha	19	1245CST 1400CST			0 0	2K	Urban/Sml Stream Fld
Racine County							
Racine	19	1245CST 1400CST			0 0	1K	Urban/Sml Stream Fld
Walworth County							
2.5 NE Lake Geneva	19	1250CST			0 0	50K	Lightning



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### WISCONSIN, Southeast

#### **Walworth County**

3 N Walworth	19	1250CST			0	0	100K		Lightning
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#### **Racine County**

4 SE Burlington	19	1300CST			0	0	2K		Thunderstorm Wind
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#### **Jefferson County**

Lake Mills	19	1655CST	0.1	50	0	0	650K		Tornado (F0)
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Severe thunderstorm winds were responsible for scattered tree and power line damage. Hardest hit was Walworth county where a barn was blown off its foundation near Sharon (Walworth Co) and another out-building damaged. Several other homes around the county experienced expensive lightning damage due to fires. The 911 center in Elkhorn (Walworth Co) was temporarily disabled when lightning destroyed the communications center, forcing the use of a backup system. In addition, lightning struck and injured a woman in Elkhorn as the storms rolled through that city. Heavy rains of 3 to 4 inches caused urban street flooding on the west side of Monroe in Green county with other incidences of urban flooding reported in Racine and Kenosha counties. In the city of Racine (Racine Co), 1.14 inches fell in 30 minutes, while west of New Munster (Kenosha Co), 3.75 inches fell in 3 hours, and resulting in street flooding around New Munster to Twin Lakes (Kenosha Co). Many cars stalled in flooded low spots in both counties. Later in the afternoon a brief tornado touched down on the roof of an east side Lake Mills (Jefferson Co) factory. About 61000 square feet of the 10 acre roof was damaged.

#### **Dane County**

Mt Horeb	29	0900CST			0	0	20K		Strong Winds
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#### **Jefferson County**

3.8 SE Sullivan to Palmyra	29	0900CST 1400CST			0	0			Strong Winds
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#### **Kenosha County**

Twin Lakes	29	0900CST 1400CST			0	0	0.50K		Strong Winds
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#### **Milwaukee County**

Glendale to Oak Creek	29	0900CST 1400CST			0	0	0.60K		Strong Winds
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#### **Racine County**

Racine	29	0900CST 1400CST			0	0	1K		Strong Winds
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#### **Rock County**

Beloit	29	0900CST 1400CST			0	0	0.50K		Strong Winds
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#### **Rock County**

Janesville	29	0900CST 1400CST			0	1	1K		Strong Winds
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#### **Walworth County**

Whitewater	29	0900CST 1400CST			0	0	0.30K		Strong Winds
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#### **Waukesha County**

Brookfield	29	0900CST 1400CST			0	0	0.30K		Strong Winds
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#### **Waukesha County**

Hartland	29	0900CST 1400CST			0	0	0.20K		Strong Winds
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Damaging southwest to west gradient winds wrecked havoc on parts of southeast and southcentral Wisconsin, downing numerous tree limbs which then pulled down power lines across several counties. Maximum winds gusts were generally in the 40 to 55 mph range, which normally wouldn't result in much damage. However, the long duration of the strong gusty winds in this episode probably played a role in weakening both small and large tree branches. At least 2500 customers lost electrical power in Milwaukee and Racine counties due to downed power lines. A man was injured in Janesville (Rock Co) when the strong winds blew over a 10 foot square metal rack on to him. He was treated and released at a local hospital. In Twin Lakes, several tents at a musical festival



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### WISCONSIN, Southeast

were blown over and damaged. Visibilities were reduced to zero near Hartland (Waukesha Co) downwind of a freshly plowed field. The Kenosha ASOS (Kenosha Co) recorded a peak gust of 54 mph (47 knots), while gusts to 49 mph (43 knots) were noted just north of downtown Milwaukee (Milwaukee Co). The National Weather Service Forecast Office southeast of Sullivan (Jefferson Co) measured a wind gust at 51 mph (44 knots). Most of these peak gusts occurred in the late morning and early afternoon hours. In addition, a new record low barometric pressure for the month of September was set at Milwaukee's Mitchell International Airport. At 1056 CST, it dipped to 29.30 inches, breaking the old record of 29.31 inches set on September 29th in 1966.